# Bingham's Production Soon to Reach Enormous Total

WHAT BINGHAM IS DOING.

per month at \$3.50 per day,

Daily ore production of 4,050 tons, estimated at \$16 per ton, is \$1,215,200 per month or, per year, \$14,580,000

The figures quoted above give but the faintest kind of an idea of what is doing these days in the famous old camp of Bingham, the home of Utah's bonanza copper mines, excepting, of course, the Cactus of the Newhouse Mines & Smelters corporation in Beaver county, he Columbus Consolidated and the Dixie mines of the Utah & Eastern company in Washington county. Bingham is today the biggest camp in the state, and it is only just getting started. As much or more money is going into machinery, buildings and equipment as is represented in the payrolls, and on that account the camp's real dividend career has not vet opened. Within another year the Utah Copper and Boston Consolidated companies will be out of the woods with their "construction and betterment" accounts, and then these mines will begin pouring money into the laps of the shareholders at a rate that will fully compensate for the vast expenditures now being made. What is true of the companies named is also true of the Tintic Mining & Developing company, owner of the Yampa mines and smelters. It applies with equal force to the Ohio, Bingham Consolidated, Utah-Apex and a whole lot of other

### Work Retarded by Prosperity.

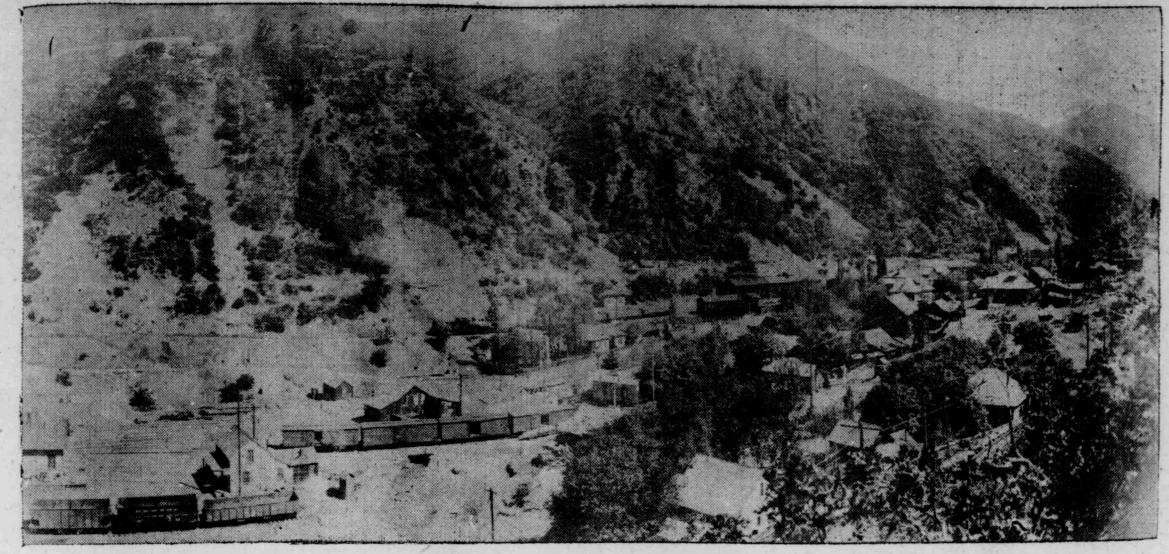
While the year in the camp has been an unusually prosperous one, lack of labor, lack of transportation facilities toothed bucket into place, plunge for cause. First, the management has in- founder of the Tintic Mining & Devel- To what extent these improvements will cilities. The Utah-Apex company has been production to the Tampa now be pushed is hard to say. It is spent its money with a determination to make a great mine. It is entitled to and a subordination of production to vigorous campaigns of development has materially held back production of shipping grades of ore. The production of the low-grade porphyry ores has not commenced on an extensive scale as yet, nor can this happen until the subscience of the subscience of the subscience of the Tintic Mining & Development has information of production of the management has information of production of the management has information of the transportation and a subordination of production of the management has information to make a great mine. It is entitled to succeed, even beyond its most sanguline of the waiting cars in less than a minimum of the company's Bingham properties up to the same combination that construction of the same combination that the objective of the Tintic Mining & Development has included a very inexpensive system of mining. Second, the ores carry such a large percentage of sulphur that very little other fuel is required to smelt the other that the few months' respite which the appeal of the other months in the company's Bingham properties in the company's Bingham properties in the company's Bingham properties will to the same combination that construction of the Tintic Mining & Development has in the other than t yet, nor can this happen until the can this happen until the can this happen until the compressor has been compressor has been installed and a big compressor has been great milling plants of the Boston Consolidated and Utah Copper companies have been completed and placed in commission. It will be necessary, also commission. It will be necessary, also, on day and night with two big shovels solidated is one of the cleanest-cut joyment of the fruits of his labor, he smelter Expert H. L. Charles is work- any rate, those behind the undertakings finish the many miles of trackage to trains, and it will continue for many mills and smelters before a tonnage such as is contemplated can be handled. No expense has been spared to get

all in readiness for the campaign ahead. but Bingham has been no different to other sections of the west, and the great corporations have found, for the first time in their existence, that there are many things which money could there was not work for many more men than could be found; there was not a day when the big companies would be found; there was not a day when the sait Lake valley. It was all kinds of rejoicing at camp and in south side, that give promise of turning on the west end and everything necessary to carrying the company for a dollar, which is insistence, the smelter on the work on an extensive scale when the big companies would be located on the banks of the proper time arrives. Between 5,000 that the proper time arrives. Between 5,000 the banks of the proper time arrives. Between 5,000 the banks of the proper time arrives. Between 5,000 the banks of the proper time arrives. Between 5,000 the banks of the proper time arrives. Between 5,000 the banks of the proper time arrives. Between 5,000 the banks of the proper time arrives. Between 5,000 the proper time arrives are the proper time arrives. Between 5,000 the proper time arrives are the proper time arrives are the proper time arrives. Between 5,000 the proper time arrives are the proper time arrives are the proper time arrives. Between 5,000 the proper time arrives are the proper time arrives are the proper time arrives. Between 5,000 the proper time arrives are the proper time arrives are the proper time arrives. Between 5,000 the proper time arrives are the proper time arrives. Between 5,000 the proper time arrives are the proper ti a day when the big companies would not have given almost anything for more cars; when they needed coal; when they were waiting for material and they were waiting for material and the secured control of the Ohio would be located on the hanks of the line secured control of the Ohio would be located on the hanks of the line secured control of the Ohio would be located on the hanks of the line secured control of the Ohio would be located on the hanks of the line secured control of the Ohio would be located on the hanks of the line secured control of the Ohio would be located on the hanks of the line secured control of the Ohio would be located on the hanks of the line secured control of the Ohio would be located on the hanks of the line secured control of the Ohio would be located on the hanks of the line secured control of the Ohio would be located on the hanks of the line secured control of the Ohio would be located on the hanks of the line secured control of the Ohio would be located on the hanks of the line secured control of the Ohio would be located on the hanks of the line secured control of the Ohio would be located on the hanks of the line secured control of the Ohio would be located on the locate supplies of one kind and another. In the face of it all they have done the best to like years and which will, most likely, the courts, and which will, most likely, and which will, most likely, and more day, as it is was made strikingly apparent, particularly and seven to cease business and move to cease business and move to acquired possession, has been without ployers, put in heavy machinery, a long the opinion of men of judgment and expensively and the courts, and which will, most likely, the courts, and which will, most likely, the courts, and which will in heavy machinery, a long the opinion of men of judgment and expensively and the courts, and which will in heavy machinery, a long the opinion of men of judgment and expensively and the courts, and which will result from the courts, and which will most likely, the courts, and the cou

### Mountains Torn Down.

Mountains have been literally torn down by the Boston Consolidated com-Millions of tons of overburden have been removed from the underlying billions of tons of copper-bearing porphyry ore and this work is progressbad, with the aid of numerous trains of cars and huge steam shovels. With these devices an entire mountain side is being cut down to a depth varying anywhere from twenty to fifty or more feet, and the material thus cut away is moved back a mile or so and dumped into the canyons and guiches that have ure upon by living mortals of today. been scored out of the non-mineralbearing quartzite, where it can rest

forever without being in the way. Where these gulches are being filled done. To see a puffing locomotive come entail under the system of mining emdancing around a point of the moun- ployed, the



VIEW OF THE LOWER TOWN OF BINGHAM.

and their complement of men and mining and smelting propositions in the was called to his long home. months to come. Nothing like it was This is shown in its reports; it is em- another man full credit for the part he company and the smelting industry. ever seen in a western metal mining phasized in its treasury reserves and played in the affairs of the Yampa camp before. The introduction of the the rate of dividends it pays. method was a master stroke, originated by master minds in the mining world.

the great copper smelters at Garfield. Deep Creek country.

The Bingham mill of this company ing all the time, in good weather and it may be increased to an even greater next November. Much has been said The Yampa mines and smelters are property in his Bingham canyon mill on, sumed, and that is long enough to fig-

### Utah Con. Beats World.

such a staid old producer and dividend- a proposition for the sake of having it up and level planes have been made the payer that the public does not look for said that he is spendidly during the year, and a tre- show heavy percentages of iron with road from the main canyon road and road will be located; where all the ore company has been erecting great board- anything new from it. It may be said willing, evidently, to spend it, but, like mendous amount of development work milling values in lead, silver and gold, getting a working shaft started, ma- trains for Garfield and other smelters ing and lodging houses for its men; ma- in passing, however, that it has the all good business men, he insists on has been performed, while most of the together with a little copper. A long, chinery was placed and the active open- will be made up and where all freight chine shops, power plants, etc., have largest and richest body of copper-gold knowing that he is getting value re- ore that has been going through the deep tunnel is being driven on this ing of the mine was commenced. Good designed for the mines and the upper been installed and every provision has ore to be found in the camp today. It ceived. It will cost him about \$2,000,been made for the day when the haul- is so big that the management dare 000 for the Opio and its equipment. ing away of the porphyry ore shall not open it up for more than two or There had to be something in the mine ing the fall, after Mr. Heinze became value than those found above. Results company is developing the ledge on the When the new milling plants are all begin. No one can quite understand three years ahead on account of the to persuade him to spend that much managing director of the company, it are already being met with in the 306-foot level, while the shaft is being in full operation and the mines of the what this work means without seeing it danger that such a proceeding would money. "caving" system. This tain and pull up alongside of a mam- company makes copper cheaper than

country, or the world, for that matter.

### Heinze's Entry Into Camp.

net buy. All through the summer and fall months there was not a day when the mines which money could not buy. It was the mines which money could not be it was who insisted that the works of the ground. In the camp of the ground. Duty and there are the mines are the mine sidered, wonders have been accom- to the mines, and the other, like that the Western Utah Copper company, the Neill was able to see what was coming that lends encouragement to the belief has run a long new tunnel and opened ren of the metals that have made the of the Boston Consolidated plant, near owner of valuable properties in the and he urged his opinions so strenu- on the part of Colonel Wall that a big up the upper portion of the mine in a main portion of the district famous.

> not less than 1,000 tons a day. Later should be in operation by the end of not. thing of a suspicion that mine conditions had been stretched a little. Everybody knows better now. It is realized The Utah Consolidated has become that a man lige Heinze does not go into

> > Yampa and Men Who Made It.

company. That man is James W Neill. During his career as manager

properties will be running 100 years handle the product, and that the Heinze proposition is assured and great sums ing plant, from now if copper is still being con- engineers had said that a plant of such of money must be poured into the pockcapacity was required, there was some- ets of the shareholders of the company.

### Bingham Con. Affairs.

The mines of the Bingham Consoli-

ing industriously to solve the problem. have evinced a willingness to spend

### Colonel Wall's Starless.

Something over a year ago Colonel E. of the property the system by which A. Wall purchased the Starless group Utah Copper Company.

A. Heinze's entry into Bingham the mine was so splendidly opened was has been one of the events of the year.

A thousand feet below the Utah Copper company has employed the same of Butte, the information he it was who insisted that the works systematic opening of the ground. Durated and when the time arrived in the camp of Butte, the information he it was who insisted that the works systematic opening of the ground. Durated and when the time arrived in the camp of Butte, the information he it was who insisted that the works systematic opening of the ground. Durated the Starless group the mine was so splendidly opened was has been one of the events of the year. The Bingham camp.

At the Copper Glance company's properties a lively campaign of develop-company's properties, and began the in the camp of Butte, the information he it was who insisted that the works systematic opening up we and there are ously that it was finally decided to and rich producer of copper can be marvelous fashion, all with the ore No sooner had Mr. Heinze announced build the smelter in the canyon, where made of the property. Recent develop- taken out. More than that, he has made has been used largely as an experi- his purchase of Ohio than it it was ce- the fumes could do no harm. Those ments have been particularly assuring, it possible for the company to enter the mental plant, notwithstanding its cacided to equip the mine with great, who berated him at that time are now pacity of 600 tons or more of ore per hoisting works and a milling plant of not at least forced to see that his judgpoint where the owner is willing to disand give the treasury a reserve, in adsaid of the wonderful business growth It is now being partially remod- less than 2,000 tons daily capacity. It ment was not at fault, whether they are cuss them in print. It is safe to say, dition, of more than \$100,000. There is of the town, nor of the prosperity of eled and enlarged so that it will treat was also promised that the new mill brave enough to publicly admit it or however, that during the company will its merchants. Owing to the narrowcapacity than that. It is unnecessary during the past six months concerning now in shape to handle approximately and, should the next twelve months' that during the year he will be able a city. It is a regular stringtown, reachto speak here of the great tonnages of the value of the Ohio company's terri- 600 tons of ore per day, and, as the developments meet expectations, there to give big news concerning mine con- ing from the mouth of the main canore exposed in such mines as the Utah tory and, until the announcement that copper and Boston Consolidated. Poth a 2,000-ton mill was to be erected to the best in the camp, the future of the best in the camp, the future of the best in the camp.

### Utah-Apex Campaign.

The Utah-Apex company has carried on a vigorous campaign during the year and results have been exceedingdated company have been responding developed ore bodies in this property year and, after building a long piece of the main yards of the Rio Grande raffcompany's smelters has come from its property and the belief is that it will ore was encountered at a short dis- portion of the old Bingham town, own Bingham and Tintic mines. Dur- open up great bodies of ore of better tance below the surface, and now the be switched around for proper handling. was decided to greatly enlarge and re- lower or Pervenue tunnel and, in order sent to greater depths. Prospects for camp are sending out from 15,000 to 20,model the smelting works, this with a to handle the increased tonnage that the making of a good mine in this 600 tons of all classes of ore per day, Yampa and Men Who Made It. view of being not only better able to these workings are counted upon to ground are considered of the best. It as it soon will be, Bingham will be One of the sad features of the year's handle the ores from the company's supply, the company is already build- is held by a strong company and very about the liveliest camp in this counmoth steam shovel; to see the great any operating company in the United history of Bingham was the chronicling own mines, but to better handle the ing a tramway and providing, through recently its shares have been command- try. It will take Ely some time to arm of such a machine swing a steel- States. This is due to more than one of the death of George H. Robinson, the company's custom smelting business, an auxiliary company, ample milling fa- ing a good price in the eastern market, equal it.

And right here it is necessary to give His success will mean everything to his another man full credit for the part he company and the smelting industry. Hat is the kind of work that results prevails that they will yet make a in the making of mines.

### Bingham-New Haven a Wonder.

The Bingham-New Haven is one of ings of the mine.

### Bingham-Mary and Phoenix.

Adjoining the Bingham-Mary on the east is the property of the Phoenix company. It has been steadily producing throughout the year, and it is said that large overtities of the company. that large quantities of shipping and milling ore are now blocked out in the mine. There has been talk of the Bingham-Mary company claiming apex to the ore bodies of the Phoenix, but well-posted engineers of the camp place but little stock in these reports. tending that the Phoenix has the ledge in its own ground, as well as has the Bingham-Mary. The ledge, it is claimed, runs into the Phoenix on its strike, or course, and not on its dip.

### A Bunch of Good Ones.

A bunch of properties nestled together in a favorable location in the camp are the New England, Bingham Standard and Bingham Central companies' mines. There has been considerable talk lately about a consolidation of the New England and Bingham Standard. It will not be altogether surprising to see them come together one of these days, while the event may take place before this paper finds its way into the world. The Bingham Standard has a magnificent block of ground and the New England company is equipped to take care of the ore that might be opened in it at great depth from the latter's workings. However, both are able to maintain themselves separately and become prominent in making the history of the camp.

The Bingham Central company has

been steadily at work during the year crowding development and, while no startling disclosures have yet been made, it is considered that work is all that is necessary to bring the property to the front.

The Last Chance is another property that is beginning to attract attention. It belongs to the Nevada-Utah company and has been producing for several months. It is one of the old mines, reclaimed, and the management considers that its best years are ahead of it.

The Silver Shield and United Bingham properties continue to develop with loise in the district. Both have ore bodies and both are being operated with a purpose of making real mines of

There has also been some good work

he will begin handling cre from the pay regularly every quarter from now ness of the canyons of the camp the and Manager Doolittle promises town is not and never can be much of bodies for more than 700 feet on their gulch as it is met in the ascent from dip below the present deepest work- the valley. A tremendous amount of business is done there, nothwithstandmiles of Salt Lake. There is talk now The Bingham-Mary company com- of building another town out on the ly satisfactory to the management. The menced development work early in the flat, at the mouth of the canyon, where

## SALT LAKERS OPENING COPPER VEINS OF YERINGTON

It surrounds a pretty little town in the fine agricultural section of Mason valley, Lyon county, Nevada.

The mines are located on each side of this valley, which affords direct railconnection with the outside world, water for smelting, milling and power purposes, and supplies farm and ranch products enough to meet the needs of a great population.

No other portion of Nevada offers such ideal conditions under which to mine, and Ely, even, will be pressed to the limit to hold the edge on it as a producer of copper and gold. For lead Ely; after that it will be a question of tonnage treated and, owing to Ely will then have to go some to overshadow the camp to the west of it. tain that its mines are going to be big and rich; it is likely to turn out many times higger than its most enthusiastic advocates dare claim.

### Ideal Conditions for Mining.

To a depth of 100 to 300 feet the Yerington ores are carbonates and oxides of great value. As water level is approached the sulphides appear, and these, too, so far as development has progressed, give every evidence of wonderful strength and more than usual richness. It is a district that appeals the copper mining expert; it is one that cannot fail to appeal to the investor, as it offers him the chance of opening mines, treating the ore and

they will be, never fear, for they can- out stopping. not afford to pass up such valuable opportunities as the country offers.

### Great is Nevada-Douglas.

the higher grade of the Yerington ores, this property is proving that the company's locations cover a veritable started that did not, almost immeditematic work has been progressing less' than a year, but in that time, accordthere has been exposed more than 100,-000 tons of smelting ore that will av- within another year. erage approximately 7 per cent copper. In addition, over 1,000,000 tons of milling ore that will average about 3 per cent copper, has been opened up. That this tonnage, which represents approximately \$15,000,000 in value, will be doubled or trebled during the next twelve months, there is not a shadow of doubt.

### New Undertaking.

Right alongside this mine W. Mont company, but because the owners would Ferry and a number of other big Utah not extend the time, and thus allow of operators, joined by Michigan, Calireaching the market with his product fornia and Arizona talent, have incorate a minimum of cost and without having to battle with and overcome the company, to operate a great block of much larger figure, and development disadvantages of an isolated and in-hospitable desert.

Salt Lake and Utah mining operators
were quick to see the advantages of Douglas, this company's ground end the property is considered as the peer this section and that copper can be company, to operate a great block of much larger lighte, and development work was crowded. The object sought by the old crowd was quickly attained by engineers who have sharpened by long seasons of hunger, but who had the pluck to tumble out trict. Besides being flanked by the new and at the present time this section and that copper can be all day for Goldfield on an empty

### Mason Valley Company.

The Mason Valley Copper company, which undertook the development of Some notion of what is being done the Spragg mines about two years ago, in the district and the character of de- has now made a showing that guaranin the district and the character of deposits that are being opened up is to be had from reports of conditions at the Nevada-Douglas, a proposition that coming five years Yerington will is backed by such heavy local operation from 5 to 30 per cent copper of the Nevada-Douglas, a proposition that proposition, the control of which has property in the Yerington country. Ore his Bluestone property, in which it is desire to knock a nickle off the high-less than the desire than the de the Nevada-Douglas, a proposition that proposition, the control of which has property in the Yerington country. Ore barth and W. C. Orem. Development in the district between now and spring. ments will be inaugurated this spring, Great masses of rich sulphide ore have and that the proposition will be made been opened up at considerable depth in to pay handsomely there is no doubt. mountain of copper ore. There has this property during the past few The possibilities of Ely are not hard to rever been a hole sunk nor a tunnel weeks. A tunnel was run for the purton are yet to be determined. It is ately, break into ore. Active, sys-went down and held their value. Both group. Development is progressing all considered certain. pose of determining whether the ores propositions have been proven and the time, and one of these days the emphasized in the lower Spragg tun- property is going to be heard from in ing to reports of competent engineers, nel. It is a big mine now; it will be made to appear several times as great is talk of a great combination of in-

handle them. This property was at one other. time under bond to the Mason Valley The more development work, the bond was

managed to get in and cover some of A triple-compartment operating shaft is now being sunk on this ground and the numerous good things the section has to offer. So far as known the fine intention of the management is to Guggenheims are not in there yet; but ground in the proper form for the management is to get in and cover some of A triple-compartment operating shaft is now being sunk on this ground and dition to the mines this company also owns valuable water rights, millsites, long to provide for the making of compartment operating shaft is now being sunk on this ground and dition to the mines this company also owns valuable water rights, millsites, long to provide for the making of compartment operating shaft is now being sunk on this ground and dition to the mines this company also owns valuable water rights, millsites, long to provide for the making of compartment operating shaft is now being sunk on this ground and dition to the mines this company also owns valuable water rights, millsites, long to provide for the making of compartment operating shaft is now being sunk on this ground and dition to the mines this company also owns valuable water rights, millsites, long to provide for the making of compartment operating shaft is now being sunk on this ground and dition to the mines this company also owns valuable water rights, millsites, long to provide for the making of compartment operating shaft is now being sunk on this ground and dition to the mines this company. during the coming year.

### Other Big Operators at Work.

Willard F. Snyder and the National valuable property in the Malachite no uncertain manner. Even now there terests in this portion of the camp, and it will not be surprising if some-Western Nevada Copper Company. thing of the kind happens during the Samuel Newhouse, Senator Reed coming twelve months. This is where Smoot, D. H. Peery, C. E. Loose and the hand of the Guggenheims is likely other powerful interests in Utah's mining world, have taken hold of the bination decides to enter the camp, be-Dyer properties and organized the cause it is here that a great cluster Western Nevada Copper company, to of top-notch properties tie on to each The Yerington Ironsides is another

proposition controlled by Salt Lake talent that is considered a comer, and gether. there are probably a dozen more in which local capital is interested.

### Ores Can Be Treated Cheaply.

reason to believe that this company Electric power is being supplied the turn 20 for 1 on every dollar that has will build mills and smelters of its own district by a powerful company at the gone to their development. I am not present time, and most of the mines knocking Tonopah nor Goldfield, but are so located that aerial tramways in my humble and imperfect judgment and even broad-gauge railroads can be Bullfrog is destined within a few years The Yerington Copper company, of utilized for transportation purposes be- to have both of them skinned a mile.

> in one single claim of his group. Representatives of Senator

derfully rich mine of the McConnell concern, as a judgment from which the property, and that it will soon be add- last red corpuscle of enthusiasm has ing largely to the camp's output is

em-up" stories, J. Fitz McCarthy, "Fitz-Mack," had a great many good things to say of the Yerington region in a letter to a Reno paper. From that story the following paragraphs, comparing the district with other Nevada camps, is taken:

"Barring Ely-always barring Ely, which is the greatest copper camp on earth-Yerington today has more mineral wealth in sight than all the other mining camps of Nevada lumped to-

"Tonopah is a great camp, Goldfield is a great camp and her mines are in the hands of the cleverest traders on earth-people whose wits have been

competent judge of mining property; W. A. but I beg leave to state modestly and Clark, of Montana, are making a won- calmly, for the benefit of whom it may been wrung and from which the last tinselled and gaudy rag of exaggeration has been stripped, that there is a

Another rich copper-bearing district the Yerington country, and they were lines on the Ludwig and carries the of the best in the district stomach if they didn't sell a clam. a considerably greater sum of mineral not slow to invest their money in it. same contact from which that company is located. Arrangements are now beCalifornia is also well represented, is shipping regularly to San Francisco ing perfected for its equipment with ments of flux necessary to cheap smelthowling for Goldfield, and those honest of copper, than Tonopah, Goldfield and while Montana and eastern talent has 100 tons of 25 per cent copper ore daily. heavy machinery and all facilities for ing are found in the mines and, as pioneers don't have a thing to do from Bullfrog all lumped together, can show. "And that is only one of Yerington's

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